

WHAT IS CLAIMED IS:

1. A semiautomatic handgun comprising: a frame; a barrel mounted on the frame and having tubular portion defining a chamber for receiving a cartridge and a generally conical portion contiguous with the tubular portion; a slide mounted on the frame and over the barrel and longitudinally movable relative to the slide and the barrel; a firing mechanism for striking the cartridge; and a trigger for releasing the firing mechanism.

2. A semiautomatic handgun according to claim 1; wherein the semiautomatic handgun is a 9 mm semiautomatic handgun.

3. A semiautomatic handgun according to claim 1; wherein the semiautomatic handgun has a length of about 5.05 inches, a height of about 4.04 inches, and a thickness of about 0.812 inches.

4. A semiautomatic handgun according to claim 3; wherein the semiautomatic handgun is a 9 mm semiautomatic handgun.

5. A semiautomatic handgun according to claim 4; wherein the semiautomatic handgun has an unloaded weight of about 12.9 ounces.

6. A semiautomatic handgun according to claim 3; wherein the semiautomatic handgun has an unloaded weight in the range of about 12.0 to 12.5 ounces.

7. A semiautomatic handgun according to claim 1; further comprising a grip for receiving the hand of a shooter; and wherein a line extending perpendicular to a central axis of the barrel intersects the grip at a preselected angle such that the barrel will be aligned axially with the forearm of the shooter when the grip is held in the hand with the top of the shooter's wrist level with the top of the forearm.

8. A semiautomatic handgun according to claim 7; wherein the preselected angle is in the range of about 9 to 11 degrees.

9. A semiautomatic handgun according to claim 1; wherein the trigger is pivotally mounted on the frame for movement between a rest position and a depressed position; and further comprising a hammer pivotally mounted on the frame in spaced relation to the trigger, a trigger bar pivotally connected to the trigger and extending into operative relation with the hammer for cocking the hammer when the trigger is moved to the depressed position, and a biasing member having a first end connected to the frame and a second end connected to the trigger bar for biasing the trigger bar in a direction into operative relationship with the hammer and in a direction for returning the trigger to the rest position from the depressed position.

10. A semiautomatic handgun according to claim 9; wherein the frame has a first boss and a second boss adjacent the first boss; and wherein the biasing member comprises a torsion spring having a first loop portion encircling the first boss of the frame, a second loop portion extending from the first loop portion at the first end of the torsion spring and resting on the second boss of the frame, at least one coil, and a foot portion connected to the coil at the second end of the torsion spring and connected to the trigger bar.

11. A semiautomatic handgun according to claim 10; wherein the torsion spring has a first arm connecting the coil to the foot portion and a second arm connecting the coil to the first loop portion.

12. A semiautomatic handgun according to claim 10; wherein the semiautomatic handgun has a length in the range of about 4.9 to 5.2 inches, a height in the range of about 3.9 to 4.1 inches, and a thickness in the range of about 0.75 to 0.82 inches.

13. A semiautomatic handgun comprising:
a frame having a forward end, a rear end, a first locating recess disposed between the forward end and the rear end, and a second locating recess disposed at the rear end;
a barrel mounted on the frame and having tubular portion defining a chamber for receiving a cartridge and a generally conical portion contiguous with the tubular portion;

a slide mounted on the frame and over the barrel and longitudinally movable relative to the slide and the barrel;

a firing mechanism for striking the cartridge in the barrel chamber;

a trigger for releasing the firing mechanism, the trigger being pivotally mounted in the first locating recess of the frame for movement between a rest position and a depressed position;

a hammer pivotally mounted in the second locating recess of the frame;

a trigger bar pivotally connected to the trigger and movable in a first direction toward the first locating recess of the frame in response to depression of the trigger to operatively engage the hammer for cocking the hammer;

a biasing member for biasing the trigger bar in a second direction away from the first locating recess and into operative relationship with the hammer and for returning the trigger to the rest position from the depressed position; and

a deflector for deflecting the trigger bar in a direction generally transverse to the first and second directions when the trigger is returned by the biasing member to the rest position from the depressed position.

14. A semiautomatic handgun according to claim 13; wherein the biasing member comprises a torsion spring having a first end connected to the frame and a second end connected to the trigger bar.

15. A semiautomatic handgun according to claim 14; wherein the frame has a first boss and a second boss adjacent the first boss; and wherein the torsion spring has a first loop portion encircling the first boss of the frame, a second loop portion extending from the first loop portion at the first end of the torsion spring and resting on the second boss of the frame, at least one coil, and a foot portion connected to the coil at the second end of the torsion spring and connected to the trigger bar.

16. A semiautomatic handgun according to claim 15; wherein the torsion spring has a first arm connecting the coil to the foot portion and a second arm connecting the coil to the first loop portion.

17. A semiautomatic handgun according to claim 13; wherein the semiautomatic handgun is a 9 mm semiautomatic handgun.

18. A semiautomatic handgun according to claim 17; wherein the semiautomatic handgun has a length of about 5.05 inches, a height of about 4.04 inches, and a thickness of about 0.812 inches.

19. A semiautomatic handgun according to claim 17; wherein the semiautomatic handgun has an unloaded weight of about 12.9 ounces.

20. A semiautomatic handgun according to claim 13; further comprising a grip for receiving the hand of a shooter; and wherein a line extending perpendicular to a central axis of the barrel intersects the grip at a preselected angle such that the barrel will be aligned axially with the forearm of the shooter when the grip is held in the hand with the top of the shooter's wrist level with the top of the forearm.